

IN THE CLAIMS

1. (Currently amended) A fire-protection and safety glazing laminate having a haze value less than 4 percent comprising

(A) a plurality of high modulus layers laminated with

(B) at least one fluoropolymer resin layer

wherein (B) resides between (A),

wherein the high modulus layers comprise glass, polycarbonate or polyurethane, provided that the high modulus layer has a Shore D hardness greater than about 70 when the high modulus layer comprises polyurethane,

wherein the fluoropolymer resin layer is of a precursor resin web having has a matte finish surface, an embossed finish surface or a combination thereof, said matte finish surface and embossed finish surface comprising projections having a height in the range of about 10 to 500 μm ,

wherein the fluoropolymer precursor resin web layer is exposed to a corona treatment in an organic gas atmosphere, and

wherein the high modulus layers are adhered to the fluoropolymer resin layer through a pressure and heat lamination of the high modulus layers to the precursor resin web.

2. (Original) The laminate of claim 1 wherein the high modulus layer is glass.

3. (Currently amended) The laminate of claim 1 wherein the fluoropolymer resin layer comprises at least one of FEP, PFA, ETFE, ECTFE, PCTFE, PVdF, THV, and blends and alloys or blends or alloys thereof.

4. (Currently amended) The laminate of claim 1 wherein the fluoropolymer resin layer comprises at least two of FEP, PFA, ETFE, ECTFE, PCTFE, PVdF, THV, and blends and alloys or blends or alloys thereof.

5. (Original) The laminate of claim 3 wherein the fluoropolymer resin layer comprises THV.

6. (Original) The laminate of claim 1 wherein both sides of the fluoropolymer resin layer comprise a combination of a matte finish surface and an embossed finish surface.

7. (Original) The laminate of claim 1 wherein the organic atmosphere comprises acetone or an alcohol of four carbon atoms or less in nitrogen.

8. (Original) The laminate of claim 1 wherein the fluoropolymer resin layer is from 5 to 150 mils thick.

9. (Original) The laminate of claim 1 wherein present are two layers of (A) and one layer of (B) and wherein the (B) layer resides between the (A) layer.

10. (Original) The laminate of claim 1 wherein present are three layers of (A) and two layers of (B) and wherein each (B) layer resides between two (A) layers.

11. (Original) The laminate of claim 1 wherein present are two layers of (A) and two layers of (B) and wherein both (B) layers are adjacent to each other and reside between the (A) layers.

12. (New) A fire-protection and safety glazing laminate having a haze value less than 4 percent comprising

(A) a plurality of high modulus layers laminated with

(B) at least one fluoropolymer resin layer

wherein (B) resides between (A),

wherein the high modulus layers comprise glass, polycarbonate or polyurethane, provided that the high modulus layer has a Shore D hardness greater than about 70 when the high modulus layer comprises polyurethane,

wherein the fluoropolymer resin layer is of a precursor resin web having a matte finish surface, an embossed finish surface or a combination thereof,

wherein the fluoropolymer precursor resin web is exposed to a corona treatment in an organic gas atmosphere,

wherein the high modulus layers are adhered to the fluoropolymer resin layer through a pressure and heat lamination of the high modulus layers to the precursor resin web, and

wherein the laminate is free of any adhesive layer between each adjacent layer (A) and layer (B).